

With the compliments of  
the Medical Officer of Health



# **BOROUGH OF GOOLE**



# **ANNUAL REPORT**

of the

## **Medical Officer of Health**

and the

## **Chief Public Health Inspector**

# **1972**

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Regency Printers of Selby.



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# PUBLIC HEALTH OFFICERS

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Medical Officer of Health  
Deputy Port Medical Officer to the  
Hull and Goole Port Health Authority

MURIEL J. LOWE,  
M.B., B.S., M.R.C.S., L.R.C.P., M.F.C.M., D.P.H., D.C.H.  
Divisional Health Department, 6/7 Belgravia, Goole.  
Tel : Goole 4216 and 2923.

Deputy Medical Officer of Health :  
EILEEN M. R. BELL-SYER,  
M.B., B.S.

---

Chief Public Health Inspector :  
D. H. HIBBERT,  
M.R.S.H., M.A.P.H.I.

Additional Public Health Inspector :  
J. CASTLE SMITH,  
M.A.P.H.I.

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Clerk :  
Mrs. A. HARRISON

Public Health Inspector's Office, Carlisle Street, Goole.  
Tel : Goole 3291.



## **To The Mayor, Aldermen and Councillors of the Borough of Goole.**

LADIES AND GENTLEMEN,

I have the honour to present to you my fourth Annual Report on the health of the Borough of Goole and the work of the Public Health Department during 1972. The first Annual Report for this township was published for the year 1875, which was the year of the great Public Health Act, which remained the principal statute until 1936. This therefore is the 97th in the series and it will probably be the last report before the new Boothferry District assumes its full responsibilities in April, 1974.

These reports have been presented by your Medical Officers of Health as follows :—

1875–1878 H. Franklin Parsons, M.D.

1879–1901 J. Mitchell Wilson, M.D., S.S. Cert.

1902–1946 Alexander M. Erskine, M.D., D.P.H.

1947–1969 S. Kennaugh Appleton, M.D., D.P.H., D.T.M.&H.

1970— Muriel J. Lowe, M.B., B.S., M.R.C.S., L.R.C.P.,  
M.F.C.M., D.P.H., D.C.H.

### **VITAL STATISTICS**

275 Live Births were registered, 28 less than in 1971. This gives a Birth Rate of 15·3 per 1,000 population, the adjusted Birth Rate being 17·1. There were 4 deaths of infants under four weeks of age, which gives a Neonatal Mortality Rate of 15, compared with the West Riding aggregate of Urban Districts of 11·8 and of England and Wales 12. Two further infant deaths occurred under 1 year, making six infant deaths in all and giving an infant mortality rate of 22) West Riding Aggregate 17·6 and England and Wales 17). The Stillbirth Rate was 14·3 (4 stillbirths). The Perinatal Mortality Rate was 25 (West Riding Aggregate 22·5 and the National Rate 22).

Once again no maternal deaths occurred during the year.

248 deaths were registered giving a Crude Death Rate of 13·8 and an Adjusted Death Rate of 12·4 per 1,000 population (West Riding Aggregate rate 12·9 and England and Wales 12·1). Births exceeded deaths by 27.

As in past years the most common cause of death was ischaemic heart disease which was responsible for 66 deaths, with cancer, in all its forms, causing 35 deaths. Lung cancer was responsible for 10 deaths, of which 8 were in males and only 2 in females. Cigarette smoking still claims its victims. The diseases closely associated with smoking accounted for exactly half of all the deaths in the Borough.

## INFECTIOUS DISEASES

165 cases of infectious disease were notified in the Borough during the year, of which 156 were due to measles. Although this was an epidemic year for the disease the number of cases was small in comparison with previous epidemic years. I would presume that this is due to the fairly high rate of vaccination of children at 16 months of age. However, I shall not be satisfied until the disease has been eradicated which is an attainable ideal.

Amongst the other notifications of infectious disease was one case of pulmonary tuberculosis in an adult in the age group 45 to 54 years. This last case shows that we cannot be complacent even at this stage in our control of tuberculosis. Such cases could be a reservoir of infection for younger age groups who have not received the protection of B.C.G. vaccination.

## FAMILY PLANNING

The Family Planning Clinic in Goole is well attended and the register has now reached the 469 mark. However, if this service were used to the fullest extent I am certain that the number of infant deaths and stillbirths could be reduced and the illegitimate births eliminated. It is well known that infant mortality is highest with very young mothers and those in the older age groups. These deaths could so easily be prevented. Illegitimacy brings with it a greater risk to the infant. Overcrowding and poverty have **their** attendant risks. These last two factors alone could be reduced by careful spacing of births and reduction in family size. By this means, too, maternal health and the home environment would be improved. Smoking during pregnancy has an adverse effect upon the developing foetus and should certainly be avoided.

## THE ELDERLY AND THE RETIRED

The elderly have become, in recent years, to quote *Age Concern*, "one of the largest disadvantaged groups in the country", and so much remains to be done to improve the quality and usefulness of their lives. Many of these people are trying to eke out an existence on markedly depleted incomes in often unsatisfactory accommodation, very frequently apart from their families, and enduring great loneliness and indifferent health. Much is done by voluntary organisations and statutory services to bring relief, but not enough is done to ensure the companionship of others for conversation, and the provision of entertainment and occupational pursuits, which the younger age groups can so easily procure for themselves. Many of these retired and elderly folk could lead more useful lives by working in sheltered workshops, which would get them out of their own homes and amongst other people. This would at the same time augment their slender incomes and give them, once more an aim in life. This work should be in addition to occupational therapy which could be provided in Old Peoples' Homes.



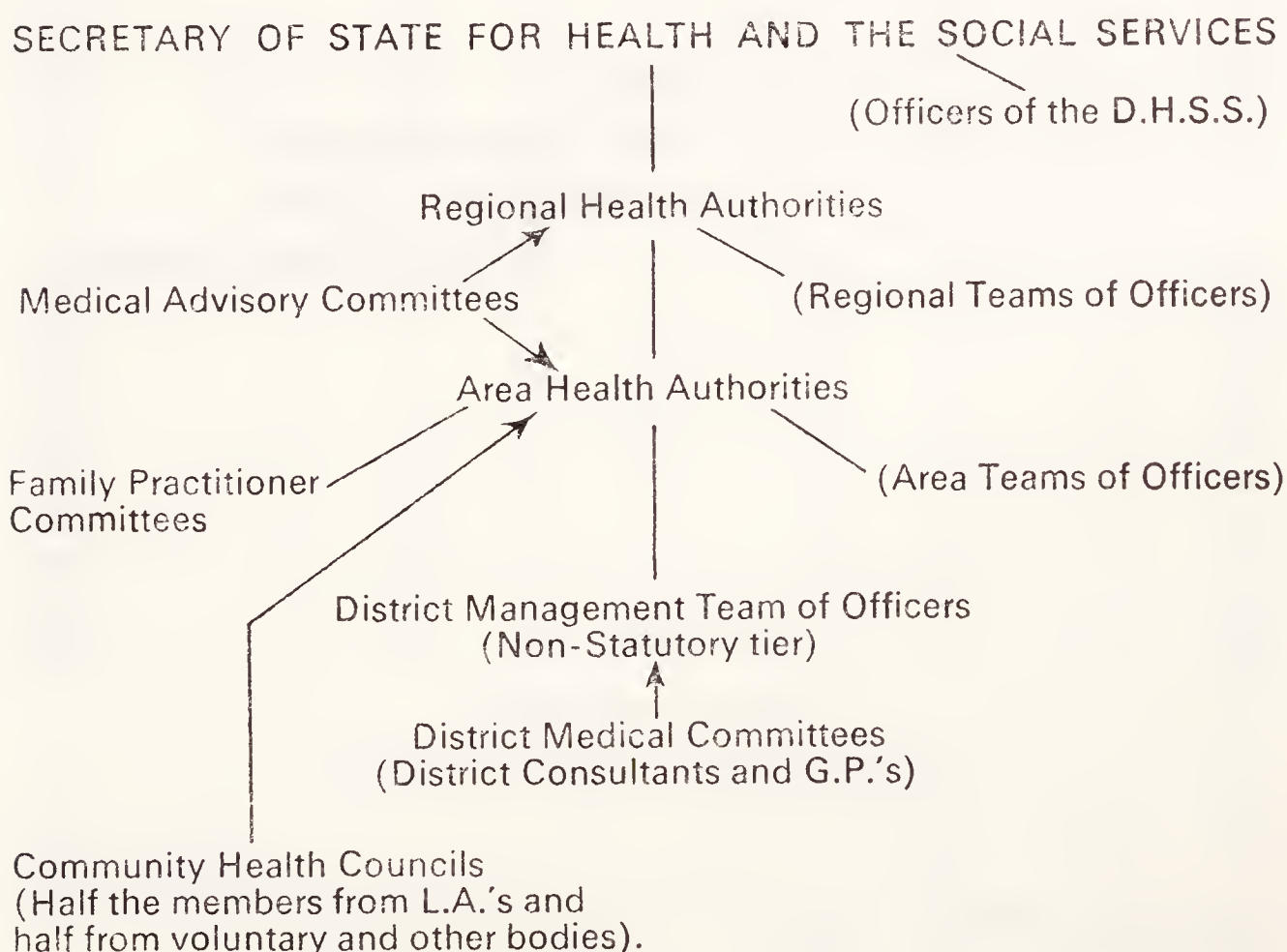
A long, hard look at the accommodation to be provided for the elderly is vital if these people are to retain an adequate independence which stimulates a will to live and to enjoy life during these latter years. From bungalows to Homes for the Elderly is a very big step and I believe that there should be a halfway house in the form of flatlets ranged around a Community Centre where meals, entertainment and companionship could be sought as and when these are needed. Supervision should be provided of the type that wardens for the elderly normally give. Central heating in all old people's dwellings should be standard, so that warmth is always available avoiding the condition of hypothermia, which may occur in the elderly and the very young, due to inadequate heating.

## NEW LEGISLATION

The two chief statutes to be passed by Parliament and given the Royal Assent in 1972/73 were the Local Government Act, 1972 and the National Health Service Reorganisation Act, 1973. The latter received the Royal Assent as late as the 5th July, 1973. The Appointed Day for both Acts is the 1st April, 1974.

The main provisions of the N.H.S. Reorganisation Act came into force at the Royal Assent and enabled the Secretary of State to set in motion the arrangements for reorganisation.

The new management structure in the Reorganised Health Service is not yet in final form but broadly it is as shown in the following diagram:—



In September, 1972, the Area Joint Liaison Committees were set up to produce Area profiles of the Staffing, services and buildings of the constituent authorities of the new areas, and to define preferences and options for the guidance of the Shadow Area Health Authorities. A tremendous amount of time has been spent in attendance at these Committees and at working parties and in preparing reports by the working parties for the consideration of the Joint Liaison Committees. A great deal of work still remains to be done and, at the time of writing, the Chief Officers have not yet been appointed, although the Chairmen of the Area Health Authorities have been announced by the Secretary of State for Health.

In conclusion, I wish to thank my Deputy Medical Officer of Health, Dr. Eileen Bell-Syer for her hard work and continued support and advice during the past year, for the help given to me by Mr. Hibbert, Chief Public Health Inspector; Mr. Smith and other officers of the Council; and for the appreciation and kindness shown to me by the Chairman and members of the Health and Housing Committee. I should also like to record my sincere thanks to Mr. R. Towell my Divisional Administrative Officer, and the staff of the Divisional Health Office for carrying the extra burden of work connected with the reorganisation, so willingly and cheerfully, in addition to their normal, routine clerical duties. Finally I would like to thank the team of voluntary workers for their continued and valuable help at the Goole Clinic.

I remain,

Your obedient servant,

MURIEL J. LOWE,

Medical Officer of Health.

September, 1973.



# THE HEALTH OF GOOLE DURING 1972

## STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area in Acres 1,267.

Rateable Value £528,351.

Product of a Penny Rate £4,830.

Number of houses inhabited 6414, which includes 118 business premises with living accommodation.

Population: Registrar-General's Estimate, Mid-Year, (1972) 17,920.

1971	1970	1969	1968	1967	1966	1965	1964	1963	1962
18,020	18,320	18,430	18,540	18,570	18,595	18,680	18,680	18,820	18,860

1971 Census, 18,055.

### BIRTHS 1963—1972

(Comparability Factor 1972—1.12)

Adjusted Birth Rate—17.2

#### LIVE BIRTHS

		Legitimate		Illegitimate		Totals		Total	Rate
		Male	Female	Male	Female	Male	Female	M & F	per 1,000
1972	.....	136	115	10	14	146	129	275	15.3
1971	.....	147	128	13	15	160	143	303	16.8
1970	.....	138	127	8	10	146	137	283	15.4
1969	.....	144	139	12	11	156	150	306	16.6
1968	.....	148	158	11	9	159	167	326	17.6
1967	.....	160	174	6	13	166	187	353	19.0
1966	.....	159	143	11	14	170	157	327	17.6
1965	.....	158	147	11	8	169	155	324	17.3
1964	.....	141	155	11	5	152	160	312	16.7
1963	.....	178	143	13	13	191	156	347	18.4

#### STILL BIRTHS

1972	.....	1	2	0	1	1	3	4	14.3
1971	.....	3	2	0	0	3	2	5	16.2
1970	.....	1	1	0	0	1	1	2	7.0
1969	.....	6	5	2	0	8	5	13	40.8
1968	.....	3	2	1	0	4	2	6	18.1
1967	.....	5	0	0	0	5	0	5	14.0
1966	.....	2	2	1	1	3	3	6	18.0
1965	.....	4	5	1	1	5	6	1	32.8
1964	.....	0	1	0	0	0	1	1	3.2
1963	.....	5	5	0	0	5	5	10	28.0

#### PREMATURE BABIES

Babies weighing under 5½ lb. at birth

						Live	Still	Total
Born at home	.....	.....	.....	.....	.....	1	0	1
Born in Hospital	.....	.....	.....	.....	.....	14	3	17
Total						15	3	18

## MARRIAGES 1963—1972

Year	No. of Marriages	Rate per 1,000	Year	No. of Marriages	per 1,000
1972	213	23.8	1967	201	20.2
1971	175	19.0	1966	177	19.0
1970	200	21.8	1965	186	20.0
1969	208	21.6	1964	187	20.0
1968	209	22.5	1963	187	19.9

## DEATHS 1963—1972

(Comparability Factor 1972—0.90)

Adjusted Death Rate—12.4

	M	F	Total	Rate		M	F	Total	Rate
1972	124	124	248	13.8	1967	116	120	236	12.7
1971	118	103	221	12.3	1966	124	108	232	12.5
1970	126	117	243	13.3	1965	141	110	251	13.4
1969	132	123	255	13.8	1964	99	114	213	11.4
1968	119	113	232	12.5	1963	125	118	243	12.9

## CAUSES OF DEATH, 1972

	Male	Female	Total
Tuberculosis of Respiratory System ..	1	—	1
Syphilis and Its Sequelae .. ..	—	1	1
Other Infective and Parasitic Diseases ..	1	—	1
Malignant Neoplasm, Buccal Cavity etc.	3	—	3
Malignant Neoplasm, Oesophagus ..	1	1	2
Malignant Neoplasm, Stomach ..	3	2	5
Malignant Neoplasm, Intestine ..	6	—	6
Malignant Neoplasm, Lung, Bronchus ..	8	2	10
Malignant Neoplasm, Breast .. ..	—	5	5
Malignant Neoplasm, Uterus .. ..	—	1	1
Malignant Neoplasm, Prostate .. ..	3	—	3
Leukaemia .. ..	—	2	2
Other Malignant Neoplasms .. ..	6	13	19
Diabetes Mellitus .. ..	1	1	2
Mental Disorders .. ..	—	1	1
Other Diseases of Nervous System ..	1	4	5
Chronic Rheumatic Heart Disease ..	2	1	3
Hypertensive Disease .. ..	1	2	3
Ischaemic Heart Disease .. ..	34	32	66
Other forms of Heart Disease .. ..	2	1	3
Cerebrovascular Disease .. ..	13	23	36
Other Diseases of Circulatory System ..	3	9	12

					Male	Female	Total
Influenza	..	..	..	..	2	1	3
Pneumonia	..	..	..	..	11	9	20
Bronchitis and Emphysema			..	..	10	2	12
Other Diseases of Respiratory System	..				1	1	2
Peptic Ulcer	..	..	..	..	1	—	1
Appendicitis	..	..	..	..	1	—	1
Other Diseases of Digestive System	..				—	1	1
Nephritis and Nephrosis	..	..	..		—	1	1
Other diseases, Genito-Urinary System	..				—	2	2
Diseases of Musculo-Skeletal System	..				—	1	1
Congenital Anomalies	..	..	..		1	—	1
Birth Injury, difficult labour, etc.	..	..			1	1	2
Other Causes of Perinatal Mortality	..				1	—	1
Symptoms and ill defined Conditions	..				1	2	3
Motor Vehicle Accidents	..	..	..		2	1	3
All Other Accidents	..	..	..		3	1	4
					—	—	—
TOTAL ALL CAUSES	..	..	..		124	124	248

### MATERNAL MORTALITY 1963—1972

	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963
Deaths	0	0	0	1	0	0	0	0	0	0
Rate per										
1,000 Total	0	0	0	3.13	0	0	0	0	0	0
Births										

### INFANTILE MORTALITY 1963—1972

	M	F	Total	Rate	Year	M	F	Total	Rate
1972	5	1	6	21.8	1967	4	4	8	22.7
1971	2	2	4	13.2	1966	5	3	8	24.5
1970	2	3	5	17.7	1965	4	7	11	34.0
1969	1	2	3	9.8	1964	7	3	10	32.1
1968	9	2	11	33.7	1963	8	4	12	34.6



## INFANTILE MORTALITY

### Causes of Death in Age Groups

Cause of Death	Under 1 week	1 to 2 Weeks	2 to 3 Weeks	3 to 4 Weeks	1 to 3 Months	3 to 6 Months	6 to 9 Months	9 to 12 Months	TOTAL
Prematurity and Atelectasis ..	3	..	..	..	..	..	..	..	3
Respiratory tract infections	..	..	..	..	..	1	..	..	1
Infective Diseases ..	..	..	..	1	..	..	..	..	1
Meningitis ..	..	..	..	..	..	..	..	..	..
Sudden Death in Infancy ..	..	..	..	..	..	..	..	..	..
Congenital anomalies ..	..	..	..	..	..	..	..	..	..
Disease of the Nervous system ..	..	..	..	..	..	..	1	..	1
	3	0	0	1	0	1	1	0	6

### National Assistance Acts, 1948-51.

No cases were dealt with under these Acts during 1972.

## TUBERCULOSIS

### New Cases and Mortality during 1972

Age Groups	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
0- 1	0	0	0	0	0	0	0	0
1- 4	0	0	0	0	0	0	0	0
5- 9	0	0	0	0	0	0	0	0
10-14	0	0	0	0	0	0	0	0
15-24	0	0	0	0	0	0	0	0
25-34	0	0	0	0	0	0	0	0
35-44	0	0	0	0	0	0	0	0
45-54	1	0	0	0	1	0	0	0
55-64	0	0	0	0	0	0	0	0
65-	0	0	0	0	0	0	0	0
Totals	1	0	0	0	1	0	0	0

# COMPARATIVE FIGURES

Year	New Cases	Deaths	Rate	Year	New Cases	Deaths	Rate
1972	1	1	0.106	1963	3	1	0.05
1971	0	0	0	1962	2	1	0.05
1970	1	1	0.05	1961	6	0	0
1969	5	2	0.11	1951	28	6	0.31
1968	3	1	0.05	1941	21	12	0.65
1967	6	0	0	1931	79	31	1.62
1966	4	0	0	1921	37	27	1.39
1965	1	0	0	1911	—	26	1.28
1964	4	1	0.05	1901	—	28	1.69

## TOTAL CASES ON REGISTER

	Male	Female	Total
Pulmonary	35	14	49
Non-Pulmonary	3	6	9
	38	20	58

## CASES OF INFECTIOUS DISEASE notified during the year 1972

Notifiable Disease	Number of Cases Notified							
	At all Ages	According to Age						
		Under 1	1 to 4	5 to 14	15 to 24	25 to 44	45 to 64	Over 65
Small-pox	..	..	..	..	..	..	..	..
Food Poisoning	..	..	..	..	..	..	..	..
Diphtheria	..	..	..	..	..	..	..	..
Scarlet Fever	3	2	1	..	..	..	..	..
Typhoid Fever	..	..	..	..	..	..	..	..
Acute Meningitis	2	..	2	..	..	..	..	..
Acute Poliomyelitis, paralytic	..	..	..	..	..	..	..	..
“ “ non-paralytic	..	..	..	..	..	..	..	..
Acute Encephalitis	..	..	..	..	..	..	..	..
Ophthalmia Neonatorum	..	..	..	..	..	..	..	..
Pulmonary Tuberculosis	1	..	..	..	..	1	..	..
Other forms of Tuberculosis	..	..	..	..	..	..	..	..
Measles	156	6	77	73	..	..	..	..
Tetanus	..	..	..	..	..	..	..	..
Whooping Cough	1	1	..	..	..	..	..	..
Dysentery	2	..	2	..	..	..	..	..
Encephalitis Lethargica	..	..	..	..	..	..	..	..
Infective Jaundice	1	..	1	..	..	..	..	..
Malaria	..	..	..	..	..	..	..	..
Totals	166	6	80	79	0	0	1	0

# GOOLE BOROUGH

## PRINCIPAL VITAL STATISTICS FOR THE YEAR 1972

Based on Registrar-General's Figures

	GOOLE BORO.	Aggre- gate West Riding U.D.s	West Riding Admin. County	England and Wales (Provi- sional)
BIRTH RATE (per 1,000 estimated population) ..	15.3	15.2	15.4	14.8
DEATH RATES (all per 1,000 estimated population)				
All causes (Crude D.R.) ..	13.8	12.8	12.1	12.1
Infective and Parasitic Diseases* ..	0.17	ø	ø	ø
Respiratory Tuberculosis .. ..	0.06	0.01	0.02	ø
Other forms of Tuberculosis ..	0.00	0.00	0.01	ø
Respiratory Diseases † (excluding Tuberculosis) ..	2.06	1.80	1.73	ø
Malignant Neoplasms .. ..	3.12	2.37	2.23	ø
Heart and Circulatory Diseases ‡ ..	4.85	4.98	4.67	ø
Vascular Lesions of Nervous System	2.01	1.89	1.79	ø
INFANT MORTALITY (Deaths under one year per 1,000 live births)	21.8	17.1	17.6	17.0
STILLBIRTHS .. ..	14.3	12.6	12.2	12.0
PERINATAL MORTALITY .. ..	25.1	22.7	22.5	22.0
MATERNAL MORTALITY (Deaths of mothers in childbirth per 1,000 total births)	0.00	0.05	0.04	ø

\* Combined death rate from syphilitic disease, diphtheria, whooping cough, meningococcal infections, acute poliomyelitis, measles and other infective and parasitic diseases.

† Combined death rate from bronchitis, pneumonia, influenza, and other respiratory diseases, excluding tuberculosis of the respiratory system.

‡ Combined death rate from heart disease and other diseases of the circulatory system.

ø Figures not available



# WEST RIDING COUNTY DIVISIONAL HEALTH SERVICES

## 1972

The Public Health Nursing Staff in this Division no longer works according to County District boundaries. Most of the figures in the following summaries refer to Goole Borough, but it should be noted in certain cases that the figures are those for the Borough and Rural District combined, or for Division No. 10 as a whole.

### 1. HEALTH VISITING (Division No. 10 as a whole).

	First Visits
Children under 1 .. .. .	687
Children between 1 and 5 .. .. .	1900
Other cases .. .. .	968
<b>Total</b>	<b>3555</b>

### 2. CHILD WELFARE CLINICS.

Total number of children under 5 years of age who first attended all Clinics during the year:

(i) Born in 1972 .. .. .	470
(ii) Born 1967-71 .. .. .	192

Number of sessions held:

Bartholomew Avenue .. .. .	50
Total attendance .. .. .	2345
Average per session .. .. .	47
Old Goole .. .. .	51
Total attendance .. .. .	698
Average per session .. .. .	13
Total attendance in 1972 .. .. .	3043

### 3. SCHOOL HEALTH SERVICE.—Divisional figures.

Attendances at Clinics .. .. .	204
Number attending Speech Therapy .. .. .	75
Number inspected in School by School M.O. ..	1246
Number inspected in School by School Nurse ..	7129
Primary tests for Subnormality .. .. .	33
Re-examinations for Subnormality .. .. .	23
Recommended for Special Schools .. .. .	11
Attending Special Schools .. .. .	52
Reported for care and guidance .. .. .	1
Audiometry tests by School Nurse .. .. .	768
Audiometry tests by School M.O. .. .. .	38

## County Occulist:

Number of cases seen .. .. .	0
Number of spectacles prescribed .. .. .	0

The following defects were found at medical inspections:

	Requiring treatment	For ob- servation
Verminous heads .. .. .	156	0
Skin .. .. .	24	11
Vision .. .. .	80	4
Other eye conditions .. .. .	8	11
Hearing .. .. .	18	25
Other ear defects .. .. .	6	11
Nose and throat .. .. .	28	59
Speech .. .. .	29	19
Cervical glands .. .. .	1	7
Heart and circulation .. .. .	10	7
Lungs .. .. .	20	5
Developmental .. .. .	16	2
Orthopaedic .. .. .	19	15
Nervous System .. .. .	10	10
Psychological .. .. .	9	10
Enuresis .. .. .	29	25
Other conditions .. .. .	2	1

## 4. PAEDIATRIC CLINIC

No. of individual patients seen:

Pre-school .. .. .	35
School .. .. .	37

Total attendances:

Pre-school .. .. .	72
School .. .. .	71

## 5. MATERNITY SERVICES.

No ante-natal clinics are conducted by Divisional Health staff as the General Practitioners now hold their own clinics.

A Mothercraft and Relaxation Exercise Class for expectant mothers is held weekly in Goole Clinic, run by a Health Visitor and a Domiciliary Midwife.

558 attendances were made.

### Confined in Hospital :

Goole Maternity Hospital	..	..	..	..	189
Fulford Maternity Hospital	..	..	..	..	257
Wakefield—Manygates	..	..	..	..	149
Leeds Hospitals	..	..	..	..	6
Other Maternity Homes	..	..	..	..	12
					—
Total					613

The figure given for Goole Maternity Home does not include mothers who normally do not reside in Goole.

### County Midwives :

There were 110 domiciliary confinements in the division.

The following is a summary of the work of the Midwives, but due to overlapping of Midwives' districts and District boundaries the figures are for the Division as a whole.

Number of Midwives	..	..	7
Number of cases	..	..	110
Gas and air analgesia	..	..	0
Trilene analgesia	..	..	68

### 6. HOME NURSING (Division 10 as a whole).

Number of Nurses	..	..	8
Number of cases completed	..	..	706
Number of visits	..	..	8,722

### Voluntary Workers :

Valuable assistance has again been given in a voluntary capacity at the Bartholomew Clinic by Mrs. A. E. Smith and her Committee, and members of the W.R.V.S. Their services are greatly appreciated.

### 7. IMMUNISATION AND VACCINATION. This has now been placed on the computer and the figures given below are for the Division as a whole for the year 1972.

#### (a) Total Injections given

Diphtheria, Tetanus and Whooping Cough	..	..	1091
Diphtheria and Tetanus	..	..	475
Measles	..	..	750
Polio	..	..	1838
Rubella	..	..	336
Tetanus	..	..	131



(b) Primary Doses

Diphtheria	..	..	..	..	..	827
Measles	..	..	..	..	..	750
Polio	..	..	..	..	..	857
Rubella	..	.	..	..	..	336
Tetanus	..	..	..	..	..	835
Whooping Cough	..	..	..	..	..	812

(c) Reinforcing Doses

Diphtheria	..	..	..	..	..	647
Polio	..	..	..	..	..	981
Tetanus	..	..	..	..	..	762
Whooping Cough	..	..	..	..	..	181

8. B.C.G. VACCINATION OF SCHOOL CHILDREN

(12 years of age).

Number of acceptances in 1972 .. 775

Pre-vaccination Tuberculin Tests:

Positive (not requiring vaccination) .. 35 (4.32%)

Negative (requiring vaccination) .. 775 (95.68%)

Number vaccinated with B.C.G. .. 775

9. CHILD GUIDANCE.

No. of new cases .. .. 18

No. of cases discharged .. .. 7

10. MASS RADIOGRAPHY SURVEY, 1972.

The Unit visits Selby and Goole twice per month,  
396 were examined at Goole and 183 at Selby. A further  
462 were examined in a Survey at Goole and 169 at Selby.

## PUBLIC HEALTH DIVISION No. 10

The County Districts forming Division No. 10 are :—

Goole Borough (1,267 acres) Selby Urban (3,883 acres)

Goole Rural (38,238 acres) Selby Rural (33,304 acres)

Area of the Division .. .. 76,692 acres

Population (Estimated mid-1972) 49,510

(Census 1971) .. 49,395

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### DIVISIONAL HEALTH OFFICE AND STAFF

6/7 Belgravia, Goole. Telephone Goole 4216 & 2923.

Divisional Medical Officer and Divisional School Medical Officer:

MURIEL J. LOWE, M.B., B.S., M.R.C.S., L.R.C.P., M.F.C.M., D.P.H., D.C.H.

Senior Clinical Departmental Medical Officer and School Medical Officer:

EILEEN M. R. BELL-SYER, M.B., B.S.

Departmental Medical Officer and School Medical Officer:

J. N. LAMBTON, M.B., Ch.B., D.P.H.

Area Dental Officers:

P. F. A. ELTOME, L.D.S. (Goole). J. R. CLAYTON, B.Ch.D., L.D.S. (Selby).

Divisional Nursing Officer: Miss C. J. BADCOCK.

Nursing Officers: Mrs. C. M. PARRY (Heath Visitors),

Miss H. ELLIS (Midwives), Mrs. P. MOULDS (Home Nurses).

Health Visitors and School Nurses: Miss D. M. BUTLER, Mrs. M. DODSON,  
Miss M. MITCHELL, Miss P. LADDS, Miss D. M. ROBINSON,  
Mrs. K. M. TAIT (part-time).

Assistants: Mrs. HAYES (part-time), Mrs. F. JARY, Mrs. MAGURN  
(part-time), Mrs. WINDER (part-time).

Home Nursing Sisters: Mrs. M. B. BRAMLEY, Mrs. S. BURKE, Mrs. M.  
CHAPMAN, Mrs. W. E. DUFFIN, Mrs. J. DANBY (part-time), Mrs. E.  
HIGGINS, Mrs. D. L. HUTTON, Mrs. J. M. SAWDON, Mrs. J. A. TEALE  
(part-time), Mrs. M. S. TWINEHAM.

Domiciliary Midwives: Mrs. M. M. APPLEBY, Miss I. CAMPBELL,  
Mrs. E. DOWNSLAND, Miss M. ELLIOTT, Mrs. D. FRANKLIN,  
Mrs. A. G. HORSFIELD.

Divisional Administrative Officer: Mr. R. TOWELL, L.H.A., A.M.R.S.H.

Senior Clerk: Mr. G. N. NOWILL.

Staff: Mrs. N. ALMOND,

Miss C. L. ALLOTT,

Miss S. L. BRAMHAM,

Miss J. HILL,

Mrs. M. READSHAW,

Mrs. J. E. TAYLOR.

**W.R.C.C. CLINICS IN GOOLE**  
(30.6.72)

**(a) Bartholomew Avenue Health Centre (Tel: 4588)**

MONDAY 2— 4: MOTHERCRAFT CLASS

TUESDAY 2— 4: CHILD WELFARE .. Dr. J. N. LAMBTON

WEDNESDAY 10—12: SPEECH THERAPY .. Miss S. GREEN  
2— 4: SPEECH THERAPY  
2— 4: PAEDIATRIC CLINIC  
(Twice Monthly) Dr. O. TROUGHTON

THURSDAY 10—12: SCHOOL CLINIC .. Dr. J. N. LAMBTON

FRIDAY 9.30—12: EYE TESTING .. Dr. H. G. LANGLEY  
1.30— 4: CYTOLOGY CLINIC, Dr. J. N. LAMBTON

MONDAY to FRIDAY 9—10 a.m.: HEALTH VISITORS available  
for consultation in the Health Centre

Cervical Cytology by appointment.

Dental treatment is provided throughout the week at the  
County Dental Clinic in the Health Centre.

**(b) Old Goole**

THURSDAY 2— 4: CHILD WELFARE .. Dr. J. N. LAMBTON  
(St. Mary's Sunday School)  
Medical Officer in attendance weekly.

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**FAMILY PLANNING ASSOCIATION**  
**BARTHOLOMEW AVENUE HEALTH CENTRE**  
(Tel: 3490)

TUESDAY 7—8.30 p.m.: Consultations  
(Call or telephone during sessions for appointment)

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Public Health Department,  
Carlisle Street,  
Goole.

**To the Mayor, Aldermen and Councillors  
of the Borough of Goole.**

Mr. MAYOR, LADIES AND GENTLEMEN,

I have pleasure in presenting my sixth Annual Report on the environmental health work carried out within the Borough.

There were no changes in staff during 1972 and, therefore, it was possible to make up some of the ground which had been lost in 1971 due to depletion of staff.

It will be seen later in the report that the number of improvement grant applications approved during 1972 was twice that for 1971. This improvement of the housing stock within the district gives satisfaction to the members of the Health and Housing Committee, your officers and not least to those who benefit from the work done to make their homes better places in which to live. The amount of administrative and technical work involved in processing this increased number of applications, without any increase in staff, has resulted in less time being available for some other aspects of our work to be carried out in the way I would have preferred. One example is in the field of food hygiene where much work remains to be done in the education of food handlers. Following the reorganisation of local government it might be possible to deploy some staff, if available, in such a manner that more attention can be given to this particular aspect of environmental health work in the new Boothferry District.

After a period of some eight years in "temporary" accommodation in Victoria Street, it is pleasing to report that the department is now housed in a new office block in Carlisle Street. Apart from being liberated from the somewhat depressing surroundings of the old accommodation, one feels in a much better position when drawing the attention of others to the requirements of the Offices, Shops and Railway Premises Act.

The success of any enterprise depends on the enthusiasm and co-operation of those involved and in conclusion I wish to record my appreciation of the work carried out by Mr. Smith and Mrs. Harrison and to thank the Chairman and Members of the Health and Housing Committee for their continued interest and support.

I am, Ladies and Gentlemen,

Your obedient servant,

D. H. HIBBERT.

August, 1973.

Chief Public Health Inspector.

# INSPECTION OF DISTRICT

## Visits

Total number of visits	..	..	..	..	..	3387
Public Health Acts	..	..	..	..	..	472
Housing Acts	..	..	..	..	..	172
Meat Inspection Regulations	..	..	..	..	..	601
Food Hygiene Regulations	..	..	..	..	..	385
Pest Control	..	..	..	..	..	51
Improvement Grants	..	..	..	..	..	790
Factories — Power	..	..	..	..	..	19
Factories — Non Power	..	..	..	..	..	6
Clean Air Acts	..	..	..	..	..	36
Shops Acts	..	..	..	..	..	42
Pet Animals Act	..	..	..	..	..	2
Petroleum (Regulation) Acts	..	..	..	..	..	11
Food Poisoning	..	..	..	..	..	22
Offices, Shops and Railway Premises Act —						
Offices	..	..	..	..	..	35
Retail Shops	..	..	..	..	..	102
Catering Establishments	..	..	..	..	..	11
Wholesale Shops	..	..	..	..	..	2
Sampling — Drinking Water (Bacteriological)	..	..	..	..	..	8
— Drinking Water (Chemical)	..	..	..	..	..	1
— Swimming Bath Water (Bacteriological)	..	..	..	..	..	33
— Swimming Bath Water (Chemical)	..	..	..	..	..	1
— Paddling Pool Water	..	..	..	..	..	14
— Ice Cream (Bacteriological)	..	..	..	..	..	18
Interviews with tenants, owners, builders, agents, etc.	..	..	..	..	..	202
Inspections where notices are in force	..	..	..	..	..	19
Inspections of work in progress	..	..	..	..	..	84
Unclassified inspections	..	..	..	..	..	248

## WATER

Every house in the town has an internal supply of water on tap.

The whole of the water consumed in the Borough is provided by the Pontefract, Goole and Selby Water Board and the supply is both plentiful and of good quality.

Eight samples of water were submitted for bacteriological examination and all were found to be satisfactory.

The analyst's report on the most recent sample of water submitted for chemical examination was as follows :-

Taste .. .. .	Satisfactory
Odour .. .. .	Nil
Appearance .. .. .	Clear and Colourless
Suspended Solids .. .. .	Nil
Ammoniacal N .. .. .	Nil
Albuminoid N .. .. .	Nil
Nitrate N .. .. .	Nil
Oxygen absorbed 4 hrs. at 27°C .. .. .	Nil
pH .. .. .	7.5
Hardness .. .. .	240 ppm
Total Chloride .. .. .	25 ppm
Heavy Metals .. .. .	Nil
Fluorine .. .. .	0.1 ppm

This sample is of satisfactory chemical composition.

R. T. Hunter,  
Public Analyst,  
City Laboratories,  
184, High Street,  
Kingston upon Hull.

HOUSING

1. Unfit Houses –

(a) *Montague Street Clearance Area*

The Borough of Goole (Montague Street) Compulsory Order, 1971 relating to the unfit houses No.'d 32, 34 and 36, Montague Street was confirmed by the Secretary of State for the Environment on 13th January, 1972, but demolition of the houses did not take place before the end of the year.

(b) *Back 9 and Back 11, Hook Road*

These houses remained vacant throughout the year following the owner's undertaking not to re-let.

(c) *The houses No.'d 10–34, West Street were represented as being unfit for human habitation*

The Borough of Goole (West Street) Compulsory Purchase Order 1972 made by the Council had not been confirmed by the Secretary of State for the Environment at the end of the year.

2. House Improvement –

(a) *Private housing*

Since the inception of the improvement grant scheme and up to 31st December, 1972, the total number of grants approved by the Council was 1,174 Discretionary and 227 Standard.



The grants approved during 1972 were 106 Discretionary and 45 Standard totalling approximately £85,000 for improvement work estimated to cost £138,000.

The number of grants approved during 1972 both Discretionary and Standard was almost exactly double that approved during 1971. This enormous increase in the number of approvals must be attributed to the Government's decision in 1971 to increase aid for house improvement in local government areas which are wholly or partly within development areas, or intermediate areas specified under the Local Employment Act, 1970. It was originally intended that this increased aid would extend for a period of 2 years ending on 23rd June, 1973 but in April 1972 the Government having recognised that the pressure to get works done by this date had overloaded the local authority administration and in some areas, the capacity of the building industry, decided to introduce legislation to extend by one year the date before which works must be completed to qualify for the higher rates of grant.

The following summary shows the costs involved in the operation of the improvement grant scheme during 1972.

Total estimated cost of approved Discretionary Grant					
Improvement Work	..	..	..	..	£126,600
Total grant for approved schemes	..	..	..	..	£76,700
Average cost of 106 Discretionary Grant Improvement					
Schemes	..	..	..	..	£1,194
Average Discretionary Grant made to applicants	..	..	..	..	£723
Cost of most expensive scheme	..	..	..	..	£8,765
Highest grant approved	..	..	..	..	£6,078
Cost of least expensive scheme	..	..	..	..	£338
Lowest grant approved	..	..	..	..	£201

The standard grants totalling £8,632 were towards the cost of installing 45 internal W.C.'s. 2 sinks, 23 baths, 27 washbasins and 23 hot water supplies.

### *(b) Council Houses*

In January, 1972 the Council decided to carry out, by direct labour, a pilot scheme for the improvement of a small number of houses of one type in Brough Street and Newclose Lane. The scheme was well advanced by the end of the year, several of the houses having been modernised and provided with central heating.

The Council also decided to engage the services of consultants for the preparation of schemes for the improvement of 110 of their pre-war houses. Unfortunately, work on the improvement had not commenced by the end of the year.

## COMPLAINTS RECEIVED

Disrepair .. .. .	41
Choked or defective drains .. .. .	347
Defective dustbins .. .. .	2
Accumulations of refuse .. .. .	17
Nuisances, dirty houses, vermin, animals, insect pests ..	110
Rats .. .. .	124
Mice .. .. .	51
Unsound food .. .. .	4
Miscellaneous — gas, flooding, smoke, smells .. ..	21
TOTAL .. ..	717

## How complaints were dealt with —

Notices or letters to persons responsible .. .. .	165
Dealt with by Council .. .. .	484
Advice given .. .. .	8
Referred to other Departments .. .. .	20
No action called for .. .. .	40
TOTAL .. ..	717

## RODENT CONTROL

One hundred and twenty-four complaints of rat infestation and fifty-one of mouse infestation were received during the year. All complaints were promptly investigated by the Council's Rodent Operative, who made 1,675 visits as the result of complaints received and in the course of routine surveys of premises and allotments. In addition, the public health staff paid forty-five visits in connection with rodent control.

Treatment of all types of infested premises is carried out with no charge being made to the occupier.

No serious infestation has occurred at the Council's Airmyn Wood refuse tip which is situated in the adjoining rural district.

A test baiting of the sewers, carried out during the year, indicated that rat infestation was of a very minor nature.

## FOOD HYGIENE AND CONTROL

### (a) Food Hygiene (General) Regulations 1970.

Three hundred and eighty-five visits were paid to food premises within the district.

The number of food premises subject to the Regulations are categorised in the following table:—

<i>Type of premises</i>	<i>No. of premises</i>
Bakers/Confectioners .. .. .	15
Butchers .. .. .	17
Cafes, Snack Bars, Canteens .. .. .	13
Hotels, Clubs .. .. .	30
School Kitchens .. .. .	6
Fishmongers, Poulterers, Greengrocers .. .. .	12
Grocery/Provisions .. .. .	37
General Dealers .. .. .	28
Sweets .. .. .	22
Druggists .. .. .	4
Fried Fish and Chip Shops .. .. .	15
Wines and Spirits, off-beer .. .. .	4
Frozen Foods .. .. .	2
Milling .. .. .	3
Total: .. .. .	208

(b) Ice Cream. Thirty samples of ice cream were submitted to the Public Health Laboratory for bacteriological examination. Thirteen were Grade I, Ten Grade II, Four Grade III, and Three Grade IV.

The majority of the Grade III and Grade IV samples were obtained from the mobile stall of a small manufacturer whose factory is outside the district. The Public Health Inspector for the district concerned co-operated in investigating the reasons for the series of unsatisfactory samples and this resulted in an improvement of the bacteriological quality of the ice cream.

(c) Food Hawking. Section 76, West Riding County Council (General Powers) Act, 1951 is operative within the Borough.

There were no new registrations during the year and, therefore, the number of registered hawkers remains at ten.

(d) Registration of Food Premises. Section 16. Food and Drugs Act, 1955.

There were no new registrations during the year. The number of premises registered at the end of the year for the preparation of food and for the sale of ice cream was eighty-four.



(e) Unsound Food. An estimated weight of 11 cwts. of food was surrendered to the Health Department and destroyed. A further estimated weight of three tons 7 cwts. of carcase meat and offal was surrendered at the Public Slaughterhouse.

### PUBLIC SLAUGHTERHOUSE

(a) The following table gives details of the monthly throughput at the Council's Slaughterhouse :

	Bullocks	Heifers	Cows	Bulls	Calves	Wethers	Ewes	Pigs	Sows	Boars
January	134	50		10		293		450	12	10
February	105	49		6		115		426	12	10
March	94	52		24	2	160		430	15	8
April	117	45				149		351	8	12
May	165	31		14		203		408	5	17
June	109	18		13		268	1	312	7	13
July	112	40		8		344		377	6	15
August	83	50		11		312		343	9	14
September	93	50		9		296		348	5	12
October	109	64		19		380		465	17	7
November	79	44		20		270		427	8	11
December	65	26		10	1	142		559	10	
	1,265	519	0	144	3	2,972	1	4,896	114	129

Grand Total: 10,043.

(b) Carcasses Inspected and Condemned.

	<i>Cattle excluding Cows</i>	<i>Cows</i>	<i>Calves</i>	<i>Sheep and Lambs</i>	<i>Pigs</i>
Number killed	1,928	—	3	2,973	5,139
Number inspected	1,928	—	3	2,973	5,139

All diseases except Tuberculosis :

Whole carcases condemned	—	—	—	1	3
--------------------------	---	---	---	---	---

Carcases of which some part or organ was condemned	252	—	—	80	788
--	-----	---	---	----	-----

Percentage of the number affected with disease other than Tuberculosis	13.1	—	—	2.7	15.4
--	------	---	---	-----	------

	<i>Cattle excluding Cows</i>	<i>Cows</i>	<i>Calves</i>	<i>Sheep and Lambs</i>	<i>Pigs</i>
Tuberculosis only :					
Whole carcasses condemned	—	—	—	—	—
Carcases of which some part or organ was condemned	—	—	—	—	22
Percentage of the number inspected affected with Tuberculosis	—	—	—	—	0.43
Cysticerci :					
Carcases of which some part or organ was condemned	4	—	—	—	—
Carcases submitted to refrigeration	4	—	—	—	—

(c) Unsound meat condemned :

	<i>Cattle</i>	<i>Calves</i>	<i>Sheep</i>	<i>Pigs</i>
Tuberculosis :				
Heads .. ..	—	—	—	22
Diseases other than Tuberculosis :				
Entire carcase and offals ..	—	—	1	3
Part carcase .. ..	11	—	2	71
Livers (Whole or part) ..	218	—	19	11
Lungs .. ..	7	—	59	587
Hearts .. ..	3	—	—	106
Kidneys .. ..	—	—	—	3
Stomachs and Intestines ..	—	—	—	2

## CATTLE MARKET

The monthly totals of animals passing through the Council's Cattle Market are shown in the following table:—

1972				<i>Cattle</i>	<i>Calves</i>	<i>Pigs</i>	<i>Sheep</i>
January	..	..	..	224	—	164	152
February	..	..	..	210	—	136	82
March	..	..	..	203	—	176	57
April ..	..	..	..	184	—	122	71
May ..	..	..	..	214	—	161	129
June ..	..	..	..	152	—	118	207
July ..	..	..	..	168	—	163	303
August	..	..	..	136	—	155	272
September	..	..	..	145	—	177	262
October	..	..	..	183	—	156	341
November	..	..	..	124	—	183	248
December	..	..	..	94	—	235	70
				<hr/>	<hr/>	<hr/>	<hr/>
				2,037	0	1,964	2,194

## OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

Ten premises were registered during the year and at the end of the year there was a total of 298 registered premises within the district.

Ninety-eight premises received a general inspection and 150 visits of all kinds were paid to registered premises.

Details of the number of premises registered and the number of persons employed are set out in the following table:—

<i>Class of Workplace</i>	<i>Number registered</i>	<i>Persons employed</i>
Offices .. ..	92	652
Retail shops.. ..	167	663
Wholesale Shops, Warehouses .. ..	8	23
Catering Establishments, Canteens .. ..	30	124
Fuel Storage Depot ..	1	2
		<hr/>
		298
		<hr/>
		1,464

Sections 17 - 20 of the Act impose requirements designed to reduce the number of accidents to persons working at machinery. During the course of general inspections of shop premises, therefore, particular attention has been given to the examination of food slicing machines, bowl type chopping machines and belt conveyors.

Generally these items of machinery have been found to be in a satisfactory condition and on those occasions when defects have been pointed out, the persons responsible have readily co-operated in complying with the requirements and suggestions of the department.



# **FACTORIES ACT, 1961**

## **PART 1 OF THE ACT**

### **1. INSPECTIONS for purposes of provision as to health (including inspections made by Public Health Inspectors).**

Premises	No. on Register	Number of		
		Inspect- tions	Written Notices	Occupiers prosecuted
(i) Factories in which Sections 1, 2, 3, 4 & 6 are to be enforced by Local Authorities	8	6	0	0
(ii) Factories not included in (i) in which Section 7 is enforced by Local Authority .. .. .	63	19	6	0
(iii) Other premises in which Sec. 7 is enforced by the Local Authority (excl. out-workers premises) .. .. .	0	0	0	0
Total .. .. .	71	25	6	0

### **PART 2 — Cases in which DEFECTS were found.**

Particulars	Number of cases in which defects were found				No. of cases pro- secutions instituted
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	
Want of Cleanliness (S.1)	3	3	0	0	0
Overcrowding (S.2) ..	0	0	0	0	0
Unreasonable temp. (S.3)	0	0	0	0	0
Inadequate ventilation (S.4) .. .. .	0	0	0	0	0
Ineffective drainage of floors (S.6) .. .. .	0	0	0	0	0
Sanitary Conveniences insufficient, unsuitable or defective (S.7) .. .. .	7	7	0	2	0
Other offences .. .. .	0	0	0	0	0
Total .. .. .	10	10	0	2	0

### **PART VIII OF ACT — OUTWORKERS**

No lists of outworkers were received during the year.

## ATMOSPHERIC POLLUTION CONTROL

(a) In conjunction with the Warren Spring Laboratory, daily smoke filter and volumetric sulphur dioxide readings are taken at the Public Health Department, Victoria Street, Goole. The results are used to calculate the amount of smoke and sulphur dioxide in the atmosphere and these amounts are expressed in microgrammes per cubic metre of air.

The following table gives details of the monthly readings :—

	Smoke Microgrammes per cubic metre		Sulphur Dioxide Microgrammes per cubic metre	
	Monthly Average	Highest Daily Reading	Monthly Average	Highest Daily Reading
January	93	211	47	200
February	86	167	49	106
March	78	169	49	100
April	52	70	52	114
May	45	110	52	133
June	46	108	66	131
July	33	148	53	172
August	27	48	53	133
September	71	177	82	159
October	73	131	80	167
November	68	131	79	187
December	84	183	103	186

## MISCELLANEOUS

### (a) Public Swimming Baths and Paddling Pools.

A total of 47 samples of water from the Public Baths and Paddling Pools in West Park and South Park were submitted for bacteriological examination.

The Swimming Bath water is subject to continuous filtration and chlorination and the samples were found to be generally satisfactory.

The Paddling Pools, however, are of the fill and empty type and although the water is regularly treated with chlorine granules, it is not possible to maintain it in a totally acceptable condition due to the open position of the pools and the abuses to which they are subject.

### (b) The Scrap Metal Dealers' Act, 1964.

There were ten scrap metal dealers on the register at the end of the year.

### (c) Hairdressers (West Riding County Council) General Powers Act, 1951.

Twenty-nine persons are registered as hairdressers or barbers.

### (d) Pet Animals Act, 1951.

Two licences to keep a pet shop were issued during the year.

### (e) Slaughter of Animals Act, 1958.

Eighteen persons are licensed to slaughter cattle, sheep and pigs.

### (f) The Rag, Flock and other Filling Materials Act, 1951.

There are two registered premises within the Borough.

### (g) Petroleum (Regulation) Acts, 1928 and 1936.

Twenty-one licences to store petroleum spirit have been issued. Nine licences relate to retail premises and twelve to storage for the licensees' sole use. Two licences are for the storage of petroleum mixtures. All licensed premises are inspected annually by officers of the West Riding County Fire Service and licences are issued when the fire prevention recommendations of the inspecting officer have been satisfied.

# METEOROLOGY

## Rainfall and Shade Temperatures recorded at Goole in the County of York

*(The following figures are included by the courtesy of the Docks Engineer  
British Transport Docks Board, Goole)*

1972

Rain Gauge: Diameter of funnel at top: 5 inches.  
Height above ground at top: 1 foot.  
Height of ground above M.S.L. 18 feet.

### RAINFALL

### TEMPERATURES

Month	Inches	No. of days with .01 or more recorded	Greatest fall in 24 hours	Max. reading during month	Min. reading during month	Mean Monthly temp.
January	2.115	14	.42	52	22	37.0
February	1.116	10	.37	48	32	40.0
March	3.12	14	.48	61	32	46.5
April	1.29	11	.26	60	40	49.81
May	1.66	16	.38	68	45	53.85
June	2.54	17	.60	72	38	55.75
July	1.99	8	.84	79	49	62.19
August	0.66	8	.40	76	50	62.22
September	1.310	5	1.005	72	41	56.5
October	0.372	5	.16	62	40	51.0
November	2.025	13	.80	61	20	40.5
December	1.586	9	.51	54	32	43.0

Total rainfall for 1972: 19.78 inches.

## RAINFALL RECORDED AT POLLINGTON, NEAR GOOLE DURING 1972

*(The following figures are included by the courtesy of the Engineer,  
Pontefract, Goole and Selby Water Board).*

Month								Rainfall
January	..	..	..	..	..	..	..	58.5 mm
February	..	..	..	..	..	..	..	29.2 mm
March	..	..	..	..	..	..	..	68.6 mm
April ..	..	..	..	..	..	..	..	35.3 mm
May ..	..	..	..	..	..	..	..	39.9 mm
June ..	..	..	..	..	..	..	..	97.4 mm
July ..	..	..	..	..	..	..	..	41.5 mm
August	..	..	..	..	..	..	..	21.1 mm
September	..	..	..	..	..	..	..	33.2 mm
October	..	..	..	..	..	..	..	10.4 mm
November	..	..	..	..	..	..	..	45.9 mm
December	..	..	..	..	..	..	..	45.7 mm

TOTAL: 526.7 mm

Note: 1 inch = 25.4 mm.





